



Federal Bldg. Oakland, CA U.S. Courthouse Las Vegas, NV Bldg. 33 Washington Navy Y

2004 DoD Standardization Conference
Product/Process Certification Panel

WBDG/CCB/NGS **Relationship**



Construction Criteria Base (CCB)

- Criteria distribution system for
 - Army Corps of Engineers
 - Naval Facilities Engineering Command
 - Air Force
 - Guard and Reserve Units
 - General Services Administration
 - USCG, NASA and others
- CD-ROM, DVD, Internet website
- Over 12,000 documents
- Over 13 years
- Approximately 6000 offices
- Approximately 38,000 users



**Industries**

- >>[A/E/C \(Construction\)](#)
- >>[Aerospace & Aviation](#)
- >>[Automotive](#)
- >>[Electronics & Electrical](#)
- >>[Government & Military](#)
- >>[Petrochemical](#)
- >>[Telecommunications](#)
- >>[Utilities](#)

**A/E/C (Construction)**

Design and compliance to industry codes and standards are more important than ever due to heightened life safety and environmental safety issues. All phases of the design-build process require access to this mission-critical data.

Comprehensive Product Content Solutions

IHS is the most comprehensive source in the AEC industry for model codes and [standards](#).

Model Codes are available from the following organizations: [ICC](#), [ICBO](#), [BOCA](#), [SBCCI](#) and [NFPA](#).

Standards, both active and historical, are available from many organizations including:

- [AASHTO](#)
- [ACI](#)
- [AGA](#)
- [AREMA](#)
- [ARI](#)
- [ASCE](#)
- [ASHRAE](#)
- [ASME](#)
- [ASSE](#)
- [ASTM](#)
- [AWS](#)
- [AWWA](#)
- [BHMA](#)
- [BSI](#)
- [CGSB](#)
- [CSA](#)
- [DIN](#)
- [GA](#)
- [IESNA](#)
- [IEEE](#)
- [NACE](#)
- [NEMA](#)
- [NFPA](#)
- [PPI](#)
- [SMACNA](#)
- [SSPC](#)
- [UL](#)

Case Studies

[Washington Group International - Web Access to Standards and Vendor Catalogs](#)
[Cuts Library Costs and Improves Responsiveness](#) >>

Brochures

[Architectural, Engineering, Construction Information Solutions](#) >>
[Worldwide Standards Solutions](#) >>
[IHS TechConnect™](#) >>
[ESDU Data Service](#) >>
[CatalogXpress®](#) >>

Press Releases

[IHS Partners With National Institute of Building Sciences on Launch of New Design Guidance Web Site](#) >>
[IHS Integrates Browser Plug-In for Technical](#)

WBDG/CCB Board of Direction

- Office of Secretary of Defense
- Naval Facilities Engineering Command
- Army Corps of Engineers
- Air Force
- General Services Administration
- Department of Energy



WBDG/CCB Advisory Committee

- **Department of Defense**
- **Naval Facilities Engineering Command**
- **Army Corps of Engineers**
- **U.S. Air Force, AFCESA**
- **General Services Administration**
- **Department of Veterans Affairs**
- **National Aeronautics and Space Administration**
- **Federal Emergency Management Agency**
- **National Institute of Standards and Technology**
- **Department of Energy**
- **Department of State**
- **National Institutes of Health**
- **U.S. Access Board**
- **Department of Interior**
- **Environmental Protection Agency**





WBDG Objectives

- ***Centralized Information Portal*** providing for the *uniform access and use* of facility information in a *knowledge based* management environment.
- ***Effective implementation of unified facilities criteria*** allowing for the sharing and consolidation of criteria, procedures and dissemination.
- ***Partnering and integration*** of public and private sector efforts through the appropriate integration of the best federal/private sector criteria

“The WBDG, organized and managed by NIBS, is a comprehensive knowledge-based Internet web site that is the sole portal to design and construction criteria produced by the Army Corps of Engineers, Naval Facilities Engineering Command, and US Air Force.”

Memorandum of Agreement signed 8 October 2003 by the Chief Engineers of DoD, ACOE, NAVFAC, AF

“The Whole Building Design Guide (WBDG) is a complete Internet resource that includes a wide range of building-related design guidance, criteria, and technology for incorporating sustainable building design principles in design decisions.

It is intended to encourage the “whole building approach” to design and construction and is used by Federal, military, and private sector architects, engineers, and project managers.”

John L. Howard, Jr., Federal Environmental Executive, “Leading by Example – A Report to the President on Federal Energy and Environmental Management (2000-2001),’ published December 2002

Criteria Access Example



Energy
Efficient
Lighting

WBDG



W B D G R esource Page
Energy Efficient Lighting
w / Direct links to RPs for:
Light. Controls, Daylighting, etc.

CCB Documents
UFC 3-530-01, Lighting
UFGS-16510, Interior Lighting

NGS
IESNA Lighting Handbook
IESNA RP-1, Office Lighting

w / Direct Links to
Manufacturers of Luminaires,
Lamps, Ballasts &
Lighting Controls



PRODUCT GUIDE



National Institute of
BUILDING SCIENCES

The screenshot shows the homepage of the WBDG Product Guide. The header includes the WBDG logo and navigation links for HOME, ABOUT WBDG, SITE MAP, and SEARCH SITE. A large "PRODUCT GUIDE" button is prominently displayed. Below it, a section titled "Product Guide" describes the service as a tool for identifying products that comply with federal guide specifications. It lists key features: reducing time needed to identify compliant products, displaying product information in an easy-to-understand format, and providing direct access to product information. A "Explore Product Guide" link is present. The footer contains the National Institute of Building Sciences logo, copyright information (©2004), a disclaimer link, and a contact link.

The screenshot shows the search page of the WBDG Product Guide. The header and navigation links are identical to the homepage. The main content area is titled "PRODUCT GUIDE" and provides instructions for searching by manufacturer name or product name. It lists 16 categories under "Search by MasterFormat™ division": Site Construction, Concrete, Masonry, Metals, Wood and Plastics, Thermal and Moisture Protection, Doors and Windows, Finishes, Specialties, Equipment, Furnishings, Special Construction, Conveying Systems, Mechanical, and Electrical. Below this is a search form with fields for "Key word", "Manufacturer", and "Product". The footer includes the National Institute of Building Sciences logo, copyright information (©2004), a disclaimer link, and a contact link.

Product Guide

A new online service that helps architects, engineers, and general contractors to quickly identify construction products and materials complying with Federal guide specifications

The screenshot shows the homepage of the Whole Building Design Guide (WBDG) website. At the top, there's a navigation bar with links for HOME, ABOUT WBDG, SITE MAP, and a SEARCH SITE field with a GO button. Below the navigation is a main menu with four items: News, Events & Training, Design Guidance, Project Management, and Mandates / References. A large, bold 'PRODUCT GUIDE' heading is prominently displayed. To its right is a descriptive text block about the Product Guide service, mentioning it's a new online service for A/E/C professionals. It highlights that the service features products compliant with federal guide specifications and is designed to help professionals quickly identify suitable products. Below this text is a section titled 'Key Features include:' with three bullet points: 'Reduces time needed to identify products that comply with federal guide specs', 'Displays product information in an easy to understand format', and 'Provides product information directly to those with a need to know'. At the bottom of the page, there's a footer containing the National Institute of Building Sciences logo, a copyright notice (©2004 National Institute of Building Sciences, All Rights Reserved), a link to the Disclaimer, and a note about suggestions or comments via contact us.

WBDG Demonstration

www.wbdg.org